

AMENDMENT AND RESPONSE

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Serial No.: 09/933,889

Filing Date: August 20, 2001

Attorney Docket No. 100.250US01

Title: REDUCING NOISE ON COMMUNICATIONS LINES

REMARKS

Applicant has reviewed the Office Action mailed on May 3, 2005 as well as the art cited. Claims 7-15 have been added. Therefore, claims 1-15 are pending in this application.

Rejections Under 35 U.S.C. § 102

Claim 6 was rejected under 35 USC § 102(e) as being anticipated by Gupta et al., (U.S. Patent No. 6,731,627). Applicant respectfully traverses this rejection.

Claim 6 is directed to a method for reducing common mode noise on a communication line carrying asynchronous subscriber line (ADSL) signals. The method includes receiving ATM cells having data for transmission over the communication line, processing the cells to remove the data, preparing the data for transmission as ADSL signals over the communication line, and passing the ADSL signals through a common mode choke to reduce noise in the ADSL signals prior to transmission.

Applicant respectfully asserts that Gupta does not anticipate the method of claim 6. In particular, Gupta does not teach or suggest passing ADSL signals through a common mode choke as called for in claim 6. The Examiner's citation of Column 16, lines 63-65 of Gupta as evidence that Gupta teaches the method of Claim 6 does not appear to relate to the processing of ADSL signals. The transformer 110 cited in Column 16, lines 63-65 of Gupta relates to analog front end (AFE) 70 of Figure 3A of Gupta, which, as stated in Gupta, is "common to the HLH 20 (FIGS. 2 and 3A) and the TM 16 (FIG. 4)," (Column 15, lines 59-61) and appears to bypass ADSL modem 22 of Figure 3A. Therefore, there is nothing in Gupta that teaches or suggests that a common mode choke is necessary or desirable for a communication line carrying ADSL traffic.

Further, the Examiner's attempt to construct the claimed invention from unrelated sections of Gupta is inappropriate. The cited passages do not appear to be related in the way called for in the elements of the rejected claim. Citing unrelated sections of the specification of Gupta demonstrates hindsight reconstruction of the invention. Therefore, based on the foregoing arguments, it is submitted that claim 6 is not anticipated by the reference and should be allowed.

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Rejections Under 35 U.S.C. § 103

Claim 1 was rejected under 35 USC § 103(a) as being unpatentable over So et al. (U.S. Patent No. 6,614,761) in view of Gupta et al. Applicant respectfully traverses this rejection.

Claim 1 is directed to a channel card communicating asymmetric digital subscriber line (ADSL) traffic over a communication line. The channel card includes an asynchronous transfer mode (ATM) section providing an interface to a cell bus of a chassis and providing ATM processing of cells, and a transceiver section, coupled to the ATM section, the transceiver section including at least one subscriber port, the transceiver section providing for modulation and demodulation of data for the at least one subscriber port, the transceiver section including a common mode choke for reducing noise on the communication line.

Applicant respectfully asserts that neither So nor Gupta, alone or in combination, teach or suggest the card of claim 1. In particular, the Examiner asserts that it would have been obvious to one of skill in the art at the time the invention was made "to incorporate a common mode choke such as the one taught by Gupta into the communication network of So with the motivation being that it provides capability for reducing interferences, thus enhancing signal transmission." In assessing the motivation to combine the references, the Examiner has provided no evidentiary basis to support the assertion that So suffers from the problems with common mode noise. Absent such evidence, the combination of the references is improper. Withdrawal of the rejection is requested.

Further, Applicant respectfully asserts that claim 1 is not obvious in view of the combination of So with Gupta. In particular, Gupta does not teach or suggest a transceiver section including a common mode choke as called for in claim 1. The Examiner's citation of Column 16, lines 63-65 of Gupta as evidence that Gupta teaches the use of the common mode choke of Claim 1 does not appear to relate to the processing of ADSL signals. The transformer 110 cited in Column 16, lines 63-65 of Gupta relates to analog front end (AFE) 70 of Figure 3A of Gupta, which, as stated in Gupta, is "common to the HLH 20 (FIGS. 2 and 3A) and the TM 16 (FIG. 4)," (Column 15, lines 59-61) and appears to bypass ADSL modem 22 of Figure 3A. Therefore, there is nothing in Gupta and So, alone or in combination, that teaches or suggests

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that a common mode choke is necessary or desirable for a transceiver section of a channel card for communicating ADSL traffic over a communication line.

Therefore, based on the foregoing arguments, it is submitted that claim 1 is not obvious in light of the combination and should be allowed.

Allowable Subject Matter

Claims 2-5 were objected to as being dependent upon a rejected base claim, but were indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant has not amended these claims in light of the arguments presented above with respect to Claim 1.

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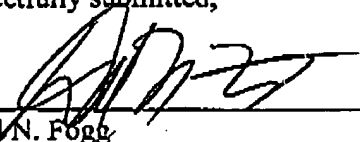
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CONCLUSION

Applicant respectfully submits that claims 1-15 are in condition for allowance and notification to that effect is earnestly requested. If necessary, please charge any additional fees or credit overpayments to Deposit Account No. 502432.

If the Examiner has any questions or concerns regarding this application, please contact the undersigned at (612) 455-1680.

Respectfully submitted,

Date: August 3, 2005

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